

Claims

1. A pneumatic spring pot, comprising:
  - a pot wall having a first diameter;
  - a bottom connected to said pot wall;
  - a first annular flange opposite said bottom and connected to said wall, said first annular flange having a second diameter smaller than said first diameter of said pot wall,wherein said bottom, said pot wall and said first annular flange are formed in one piece with one another from a sheet metal by sheet metal forming from a sheet bar, in such a way that said annular flange is formed from an outer edge region of said sheet bar, and
  - a second annular flange connected to said bottom and produced in one piece with said bottom.
2. The pneumatic spring pot of claim 1, wherein said bottom and said pot wall are formed from said sheet bar by deep drawing.
3. The pneumatic spring pot of claim 1, wherein said first annular flange is formed by a process chosen from a group comprising rolling, pressing and indrawing.
4. The pneumatic spring pot of claim 1, wherein a ratio of said second diameter of said first annular flange and said first diameter of said pot wall is smaller than about 0.8.
5. The pneumatic spring pot of claim 1, wherein said sheet bar is surface-treated.

6. A method for producing a pneumatic spring pot, said pneumatic spring pot having a pot wall, a bottom connected to said pot wall and a first annular flange opposite said bottom and connected to said pot wall, said pot wall having a first diameter and said first annular flange having a second diameter smaller than that first diameter of said pot wall, said method comprising the steps of:

forming said bottom, said pot wall and said first annular flange in one piece with one another from sheet metal by sheet metal forming from a sheet bar, wherein said sheet metal forming is carried out in such a way that, starting from said sheet bar, said first annular flange is formed from an outer region of said sheet bar, and wherein a second annular flange is integrally formed on said bottom.

7. The method of claim 6, wherein said pot wall is first deep-drawn from said sheet bar, and said bottom is formed from a middle region of said sheet bar.
8. The method of claim 7, wherein an edge region of said pot wall which is opposite said bottom and which corresponds to said outer edge region of said original sheet bar is narrowed in diameter by a process chosen from the group comprising rolling, pressing and indrawing, in order to form said first annular flange.

9. The method of claim 6, wherein, starting from an orifice in a middle region of said sheet bar, said second annular flange is integrally formed on said bottom, together with forming of said pot wall, by means of one and the same sheet metal forming process..